IN THE ABSTRACT

Please delete the current Abstract in its entirety and substitute therefore the following New Abstract:

NEW ABSTRACT

Determination of at least one of physical, chemical and biological properties and parameters within an area of examination of an object of examination by introducing magnetic particles in at least a portion of the area of examination, generating a magnetic field with a spatial distribution of the magnetic field strength such that the area of examination includes a first sub-area with lower magnetic field strength and a second sub-area with a higher magnetic field strength, changing the spatial location of both sub-areas in the area of examination so that the magnetization of the particles changes locally, acquiring signals that depend on the magnetization in the area of examination influenced by the changing of the spatial location of both sub-areas, and evaluating the signals to obtain information about the anisotropy of the magnetic particles in the area of examination.